

# Scientific Bibliography

## Insect food products

### I. *On insects-enriched food products: general nutritional & health claims*

(non-exhaustive list)

1. Anankware, J. P., Roberts, B. J., Cheseto, X., Osuga, I., Savolainen, V., & Collins, C. M. (2021, Dec.). 'The Nutritional Profiles of Five Important Edible Insect Species from West Africa-An Analytical and Literature Synthesis'. *Frontiers in Nutrition*. Retrieved from: [The Nutritional Profiles of Five Important Edible Insect Species From West Africa-An Analytical and Literature Synthesis.](#)
2. Bessa, L. W., Pieterse, E., Sigge, G., & Hoffman, L. C. (2020, Nov). 'Insects as human food, from farm to fork'. *Journal of the Science of Food and Agriculture*'. Retrieved from: [Insects as human food; from farm to fork - PubMed \(nih.gov\).](#)
3. Florença, S. G., Guiné, R. P. F., Gonçalves, F. J. A., Barroca, M. J., Ferreira, M., Costa, C. A. Cunha, L. M. (2022). 'The Motivations for Consumption of Edible Insects: A Systematic Review'. *Foods*, Nov 15. Retrieved from: [The Motivations for Consumption of Edible Insects: A Systematic Review.](#)
4. Nowakowski, Abby C., Miller, Abbey C., Miller, M. Elizabeth, Xiao, Hang, Wu, Xian. 'Potential health benefits of edible insects'. *Critical Reviews in Food Science and Nutrition* (2022, Jan). Retrieved from: [Potential health benefits of edible insects.](#)
5. van Huis, Arnold. 'Nutrition and health of edible insects'. *Current Opinion Clinical Nutrition & Metabolic Care* (2020, May). Retrieved from: [Nutrition and health of edible insects.](#)
6. Petersen, M., Olson, O., & Rao, S. J. (2020, Sept.). 'University Student Perspectives of Entomophagy: Positive Attitudes Lead to Observability and Education Opportunities'. *Journal of Insect Science*. Retrieved from: *University Student Perspectives of Entomophagy: Positive Attitudes Lead to Observability and Education Opportunities.*
7. Rumpold, B. A., Schlüter, O. K. 'Nutritional composition and safety aspects of edible insects'. *Molecular Nutrition and Food Research* (2013, Mar.). Retrieved from: [Nutritional composition and safety aspects of edible insects.](#)
8. Tanga, C. M., & Ekesi, S. (2023, Sept.). 'Dietary and Therapeutic Benefits of Edible Insects: A Global Perspective. *Annual Review of Entomology*'. Retrieved from: [Dietary and Therapeutic Benefits of Edible Insects: A Global Perspective.](#)
9. van Huis, A., Rumpold, B., Maya, C., & Roos, N. (2021, Oct.). 'Nutritional Qualities and Enhancement of Edible Insects'. *Annual Review of Nutrition*. Retrieved from: *Nutritional Qualities and Enhancement of Edible Insects.*
10. Zhang, X., Zhang, F., & Lu, X. (2022, Jun). 'Diversity and Functional Roles of the Gut Microbiota in Lepidopteran Insects'. *Microorganisms*. Retrieved from: *Diversity and Functional Roles of the Gut Microbiota in Lepidopteran Insects*
11. Zhou, Y., Wang, D., Zhou, S., Duan, H., Guo, J., Yan, W. 'Nutritional Composition, Health Benefits, and Application Value of Edible Insects: A Review.' *Foods* (2022, Dec 7). Retrieved from: [Nutritional Composition, Health Benefits, and Application Value of Edible Insects: A Review.](#)

## II. On insect-enriched food products: specific health claims

(non-exhaustive list)

12. Banerjee, Sandipan, Maiti, Tushar Kanti, Roy, Raj Narayan. 'Enzyme producing insect gut microbes: an unexplored biotechnological aspect'. *Critical Reviews on Biotechnology* (2022, May). Epub 2021 Oct 6. Retrieved from: [Enzyme producing insect gut microbes: an unexplored biotechnological aspect.](#)
13. Borrelli, L., Varriale, L., Dipineto, L., Pace, A., Menna, L. F., & Fioretti, A. (2021, Feb.). 'Insect Derived Lauric Acid as Promising Alternative Strategy to Antibiotics in the Antimicrobial Resistance Scenario'. *Frontiers in Microbiology*. Retrieved from: [Insect Derived Lauric Acid as Promising Alternative Strategy to Antibiotics in the Antimicrobial Resistance Scenario.](#)
14. de Carvalho, N. M., Madureira, A. R., & Pintado, M. E. (2020, Dec.). 'The potential of insects as food sources - a review'. *Critical Reviews in Food Science and Nutrition*. Retrieved from: [The potential of insects as food sources - a review.](#)
15. Gnana Moorthy Eswaran, U., Karunanithi, S., Gupta, R. K., Rout, S., & Srivastav, Torres-Castillo, J. A., & Olazarán-Santibáñez, F. E. (2023, Marc.). 'Insects as source of phenolic and antioxidant entomochemicals in the food industry'. *Frontiers in Nutrition*. Retrieved from: [Insects as source of phenolic and antioxidant entomochemicals in the food industry.](#)

## III. On insect-enriched food: specific food products

(non-exhaustive list)

16. Aleman, R. S., Marcia, J., Pournaki, S. K., Borrás-Linares, I., Lozano-Sanchez, J., & Fernandez, I. M. (2022, Oct). 'Formulation of Protein-Rich Chocolate Chip Cookies Using Cricket (*Acheta domesticus*) Powder'. *Foods*. Retrieved from: [Formulation of Protein-Rich Chocolate Chip Cookies Using Cricket \(\*Acheta domesticus\*\) Powder.](#)
17. Castro-López, C., Santiago-López, L., Vallejo-Cordoba, B., González-Córdova, A. F., Liceaga, A. M., & García, H. S. (2020, Nov.). 'An insight to fermented edible insects: A global perspective and prospective'. *Food Research International*. Retrieved from: [An insight to fermented edible insects: A global perspective and prospective.](#)
18. Kowalczewski, P. Ł., Gumienna, M., Rybicka, I., Górna, B., Sarbak, P., Dziejczak, K., ... Kmiecik, D. (2021, Feb). 'Nutritional Value and Biological Activity of Gluten-Free Bread Enriched with Cricket Powder'. *Molecules*. Retrieved from: [Nutritional Value and Biological Activity of Gluten-Free Bread Enriched with Cricket Powder.](#)
19. Ruggeri, M., Bianchi, E., Vigani, B., Sánchez-Espejo, R., Spano, M., Totaro Fila, C., Sandri, G. (2023, Jan.). 'Nutritional and Functional Properties of Novel Italian Spray-Dried Cricket Powder'. *Antioxidants (Basel)*. Retrieved from: [Nutritional and Functional Properties of Novel Italian Spray-Dried Cricket Powder.](#)
20. Development perspective. *Journal of Food Science and Technology*. Retrieved from: [Edible insects as emerging food products-processing and product development perspective.](#)

#### **IV. On insect-enriched food products: alternative protein source & food security**

(non-exhaustive list)

21. de Koning, W., Dean, D., Vriesekoop, F., Aguiar, L. K., Anderson, M., Mongondry, P., Boereboom, A. (2020, Sept.). Drivers and Inhibitors in the Acceptance of Meat Alternatives: The Case of Plant and Insect-Based Proteins. Foods. Retrieved from: [Drivers and Inhibitors in the Acceptance of Meat Alternatives: The Case of Plant and Insect-Based Proteins.](#)
22. Quintieri, L., Nitride, C., De Angelis, E., Lamonaca, A., Pilolli, R., Russo, F., & Monaci, L. (2023, Marc.). 'Alternative Protein Sources and Novel Foods: Benefits, Food Applications and Safety Issues'. Retrieved from: [Alternative Protein Sources and Novel Foods: Benefits, Food Applications and Safety Issues.](#)
23. Rzymiski, P., Kulus, M., Jankowski, M., Dompe, C., Bryl, R., Petite, J. N., Mozdziak, P. (2021, Jan). 'COVID-19 Pandemic Is a Call to Search for Alternative Protein Sources as Food and Feed: A Review of Possibilities'. Nutrients. Retrieved from : [COVID-19 Pandemic Is a Call to Search for Alternative Protein Sources as Food and Feed: A Review of Possibilities.](#)
24. van Huis, A. (2016, Aug.). 'Edible insects are the future?'. Proceedings of the Nutrition Society. Retrieved from: [Edible insects are the future?](#)
25. Kewuyemi, Yusuf Olamide, Kesa, Hema, Chinma, Chiemela Enyinnaya, Adebo, Oluwafemi Ayodeji. 'Fermented Edible Insects for Promoting Food Security in Africa'. (2020, May). Retrieved from: [Fermented Edible Insects for Promoting Food Security in Africa.](#)
26. Lamppa, J. W., Horn, G., & Edwards, D. (2014, Sepr). 'Toward the redesign of nutrition delivery'. Journal of Controlled Release. Retrieved from: [Toward the redesign of nutrition delivery.](#)

#### **V. On edible insects as a sustainable protein resource**

27. Aguilar-Toalá, J. E., Cruz-Monterrosa, R. G., & Liceaga, A. M. (2022, Nov.). 'Beyond Human Nutrition of Edible Insects: Health Benefits and Safety Aspects'. Insects. Retrieved from: [Edible Insects: A New Sustainable Nutritional Resource Worth Promoting.](#)
28. Conti, M. V., Kalmpourtzidou, A., Lambiase, S., De Giuseppe, R., & Cena, H. (2021, Apr.). 'Novel Foods and Sustainability as Means to Counteract Malnutrition in Madagascar'. Molecules. Retrieved from: [Novel Foods and Sustainability as Means to Counteract Malnutrition in Madagascar.](#)
29. Li, M., Mao, C., Li, X., Jiang, L., Zhang, W., Li, M., ... Hou, X. (2023, Nov.). 'Edible Insects: A New Sustainable Nutritional Resource Worth Promoting'. Retrieved from: [Edible Insects: A New Sustainable Nutritional Resource Worth Promoting.](#)
30. Lin, X., Wang, F., Lu, Y., Wang, J., Chen, J., Yu, Y., Peng, Y. (2023, Sept.). 'A review on edible insects in China: Nutritional supply, environmental benefits, and potential applications'. Current Research in Food Science. Retrieved from: [A review on edible insects in China: Nutritional supply, environmental benefits, and potential applications.](#)

- You also can find the scientific bibliography concerning the consumer perception of edible insects, listed in the IPIFF EU survey on the Consumers' Acceptance of insects as food, [here](#).